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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/623,647	07/22/2003	Shoei-Yuan Shih	2450-0525P	4740

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EXAMINER

CHANG, YEAN HSI

ART UNIT	PAPER NUMBER
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2835

DATE MAILED: 03/01/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/623,647	Applicant(s) SHIH, SHOEI-YUAN	
	Examiner Yean-Hsi Chang	Art Unit 2835	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 22 July 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-9 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-9 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 22 July 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Objections

1. Claim 8 is objected to because of the following informalities: The "said casing" lacks antecedent basis; and the terminologies, such as: "two side panels", "a fixing plate", "a rear panel", "a fixing pillar", "a second component", "a third component", and "a redundant power supply", have repeatedly used to either designate different elements or create a new element with a used name. Appropriate correction is required.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-2 and 4-9 are rejected under 35 U.S.C. 102(e) as being anticipated by Barringer et al. (US 6,785,133 B2).

Barringer teaches a redundant power supply (21 and 22, fig. 2) wirelessly connected to motherboard, using a card insertion mode (fig. 2) to wirelessly connect at

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least two power supplies and a motherboard (14) for main computation and control, comprising: a rear panel (28) disposed at the rear of a power supply (22), wherein the structure of the rear panel includes a first component (for example, a connector 100 for connecting to 56) disposed on the rear panel of the power supply for electrically connecting the power supply, a second component (104) disposed on the rear panel of the power supply, and a third component (157) for electrically connecting to the second component with the connection specification compatible with the second component (see col. 6, lines 30-36), whereby the foregoing components constituting a redundant power supply requiring no wire material for its connection (may be seen in figs. 2 and 5) (claim 1); wherein said first component and said third component are in a port and slot mode (see figs. 2 and 5; and see col. 6, lines 30-36) (claims 2 and 4); wherein said rear panel further comprises a fourth component (101) for connecting to a compatible circuit board (for example, 14A), and said circuit board has one or more power connectors (fig. 1) (claim 5); wherein said power supply is vertically and electrically coupled to said rear panel (56 being connected on top of 28, fig. 9) (claim 6); wherein said motherboard is horizontally and electrically coupled to said rear panel (see fig. 9) (claim 7); and wherein a casing (50) for accommodating said redundant power supply comprises: a main rack (50) including a front panel, a rear panel, and a bottom panel, and two side panels defining an upper space and a lower space (shown in fig. 2), and a plurality of accessing spaces being defined by tracks in said upper space and lower space (also shown in fig. 2) for accommodating a plurality of data storage units (20) and power supplies (21 and 22), and a fixing plate having a fixing pillar being bent from the inner

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edge of two side panels, a secondary rack (lower portion in fig. 2), having a fixing plate disposed on two sides coupled to two side panels and being bent and extended from said lower space, and a fixing pillar disposed on said secondary rack for coupling to a rear panel with an installed power supply, an upper partition (see fig. 2), installed above said two side panels, and an insert opening (fig. 7) disposed on said upper partition at the position of said fixing plate of said two side panels, such that the motherboard being inserted from the insert opening to couple said rear panel (fig. 9) and mounted on said fixing pillar of said fixing plate, by mean of said first component disposed on the rear panel of said power supply for electrically connecting each power supply, said second component disposed on the rear panel of said power supply, and said third component for electrically connecting to said second component with the connection specification compatible with said second component, said redundant power supply being constituted without requiring any wire material for its connection (claim 8); and wherein said secondary rack comprises a fixing hole and a protruded fixing pillar disposed on said bottom panel corresponding to the position of said fixing hole (see fig. 9) (claim 9).

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claim 3 is rejected under 35 U.S.C. 103(a) as being unpatentable over Barringer et al. in view of Chong, Jr. et al. (US 6,377,471 B1).

Barringer discloses the claimed invention except indicating the second component is in a gold finger mode.

Chong teaches a power backplane (602, fig. 6A) being configured to be connected to a motherboard (606) in a gold finger mode (as shown in fig. 6A).

It would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the device of Barringer with the power backplane connection taught by Chong for connecting the two boards wirelessly.

Correspondence


6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yean-Hsi Chang whose telephone number is (571) 272-2038. The examiner can normally be reached on 07:30 - 16:00.

If attempts to reach the examiner by telephone are unsuccessful, the Art Unit phone number is (571) 272-2800, ext. 35. The fax phone number for the organization where this application or proceeding is assigned is (703) 305-3431 for regular communications and for After Final communications. There are RightFax numbers and provide the fax sender with an auto-reply fax verifying receipt by the USPTO: Before-Final (703-872-9318) and After-Final (703-872-9319).

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-8558.

Yean-Hsi Chang
Primary Examiner
Art Unit: 2835
February 27, 2005



YEAN-HSI CHANG
PRIMARY EXAMINER